| Index of Claims |  |
|-----------------|--|
|                 |  |

| Application No. | Applicant(s) |  |
|-----------------|--------------|--|
| 10/609,440      | ARAI ET AL.  |  |
| Examiner        | Art Unit     |  |
| Thong Q. Le     | 2818         |  |

| <b>√</b> | Rejected |  |
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| =        | Allowed  |  |

| _ | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| N | Non-Elected  |   |
|---|--------------|---|
| - | Interference | ( |

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| Cla         | im                                     | _                                   |              | _                  |              | Date     | 9        |            | _  |  | ľ |
| Final       | Original                               | 8/10/04                             |              |                    |              |          |          |            |  |  |   |
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|             | 7                                      | =                                   | -            | _                  | ┢─           |          | -        |            | <del>                                     </del> | -  | l |
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|             | 8 9                                    | =                                   |              | ┢                  | _            | Т        | _        |            |  | $\vdash$   | 1 |
|             | 10                                     | =                                   | $\vdash$     | $\vdash$           | $\vdash$     | $\vdash$ | $\vdash$ |            | $\vdash$   | _  | 1 |
| $\Box$      | 11                                     | =                                   | Г            |                    |              |          |          |            |  |  | ١ |
|             | 12                                     | =                                   | Г            |                    | Г            |          | Γ        |            |  |  | ľ |
|             | 11<br>12<br>13<br>14<br>15<br>16<br>17 | =                                   |              |                    |              |          |          |            | l –  |  | 1 |
|             | 14                                     | =                                   |              |                    |              |          |          |            |  |  | 1 |
|             | 15                                     | =                                   |              |                    |              |          |          |            | П  |  | 1 |
|             | 16                                     | =                                   |              |                    |              |          |          |            |  |  | ] |
|             | 17                                     | =                                   |              |                    |              |          |          |            |  |  | ] |
|             | 18                                     | =                                   |              |                    |              |          |          |            |  |  | ŀ |
|             | 19<br>20                               | =                                   |              |                    |              |          |          |            |  |  |   |
|             | 20                                     | =                                   | _            |                    | L            |          |          |            |  | L  |   |
|             | 21                                     | ==                                  | <u> </u>     | L_                 | <u> </u>     |          |          |            |  | _  |   |
|             | 22<br>23                               | =                                   | <u> </u>     | L_                 | _            |          |          |            |  | <u> </u>   | ļ |
|             | 23                                     | =                                   | <u> </u>     |                    |              |          |          |            |  | <u> </u>   | ļ |
|             | 24<br>25                               | =                                   | _            |                    | <u> </u>     |          |          |            |  | <u> </u>   | ļ |
|             | 25                                     | =                                   | L            | ļ.,                | <u> </u>     |          |          |            | _  | _  | ŀ |
|             | 26                                     | =                                   |              | <u> </u>           | <u> </u>     |          |          | _          |  | <u> </u>   | ł |
|             | 27<br>28<br>29                         | =                                   | <u> </u>     | <u> </u>           |              |          | ٠        |            |  | <del> </del> -                                   | ŀ |
| -           | 20                                     | =                                   | <del> </del> | <u> </u>           | <u> </u>     |          |          |            | <u> </u>   | _  | ł |
|             | 30                                     | <del> </del>                        | ├─           | $\vdash$           | <del> </del> | -        |          | -          | $\vdash$   | ⊢  | ł |
| <u> </u>    | 30<br>31                               | $\vdash$                            | $\vdash$     | $\vdash$           | ┝            |          |          |            | ⊢  | ⊢  | ł |
|             | 32                                     | ┝                                   | ┝            |                    | -            |          | -        | -          | <del> </del> —                                   | -  | ł |
|             | 32<br>33                               |                                     | -            | $\vdash$           | -            | -        | -        |            |  | $\vdash$   | ł |
| <del></del> | 34                                     |                                     | -            | $\vdash$           | $\vdash$     |          |          |            | $\vdash$   | $\vdash$   | i |
|             | 35                                     |                                     | 一            | _                  | $\vdash$     | ┢        | $\vdash$ | -          |  | $\vdash$   | ľ |
|             | 35<br>36                               |                                     |              |                    | _            |          | _        |            | _  | -  | 1 |
|             | 37                                     |                                     | $\vdash$     |                    |              | Г        |          |            | Т  |  | 1 |
|             | 38                                     |                                     |              |                    | Г            |          |          |            | Г  | _  | 1 |
|             | 39                                     |                                     |              | Г                  |              |          |          |            |  |  | 1 |
|             | 40                                     |                                     |              |                    |              |          |          |            |  |  | ] |
|             | 41                                     |                                     |              |                    |              |          |          |            |  |  |   |
|             | 42                                     |                                     | L            |                    |              |          |          |            |  |  |   |
| L           | 43                                     | <u> </u>                            | _            | $oxedsymbol{oxed}$ |              | <u> </u> | <u> </u> | <u> </u>   | <u> </u>   | <u> </u>   |   |
| L           | 44                                     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |              |                    |              |          | L.       |            | <u> </u>   | L_   |   |
|             | 45                                     | <u> </u>                            | <u>_</u>     | <u> </u>           | <u> </u>     | L_       | <u> </u> | L.         | <u> </u>   | <u>L</u>   |   |
| <u> </u>    | 46                                     |                                     |              | <u> </u>           | <u> </u>     | <u> </u> | <u> </u> | ļ          |  | <u> </u>   |   |
| L           | 47                                     | <u> </u>                            | <u> </u>     |                    | ļ            | ļ        | <u> </u> | <u> </u>   | <u> </u>   |  | 1 |
|             | 48                                     | <u> </u>                            | <u> </u>     | <u> </u>           |              | <u> </u> | <u> </u> | <b>├</b> ─ | <u> </u>   | <u> </u>   |   |
|             | 49                                     | <u> </u>                            | <u> </u>     | <u> </u>           | <u> </u>     | $\vdash$ | <u> </u> | <u> </u>   |  | <u> </u>   | l |
| L           | 50                                     | L                                   |              |                    | L            |          |          |            | L_   | <u> </u>   | l |

| Cla      | aim  | _            |  |  | [            | Date        | <u> </u> |              |              |              |
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| Final    | Original                                     |              |  |  |              |             |          |              |              |              |
|          | 51   | -            |  |  | $\vdash$     | -           | _        |              |              | ┢            |
|          | 51<br>52                                     | ┢            | ┢  | ┝  | $\vdash$     | _           | _        | _            | _            | -            |
|          | 53   | $\vdash$     | -  | ⊢  | H            |             |          |              | $\vdash$     | ┢            |
|          | 54   | $\vdash$     | _  |  | $\vdash$     |             | _        |              | -            | H            |
|          | 53<br>54<br>55                               | $\vdash$     |  |  | ⊢            | _           | -        |              | $\vdash$     | H            |
| h        | 56   | -            | ┝  | ├─   | $\vdash$     |             | _        | _            | _            | _            |
|          | 56<br>57                                     | ┢            | ┢  | ┝  | $\vdash$     |             | _        |              | -            | -            |
|          | 58   | -            | -  |  | ⊢            |             | _        |              | $\vdash$     |              |
|          | 59   | $\vdash$     |  |  | $\vdash$     |             |          |              | -            | -            |
|          | 59<br>60                                     | ┢            |  |  | H            |             |          |              | <u> </u>     | _            |
|          | 61   | -            |  |  | -            |             |          |              | -            |              |
|          | 62   | ┢            |  | -  | $\vdash$     |             |          |              | $\vdash$     | $\vdash$     |
|          | 62<br>63                                     | Ι-           | $\vdash$   | $\vdash$   | $\vdash$     |             | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$     |
|          | 64   | <u> </u>     | $\vdash$   |  | $\vdash$     | -           | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$     |
|          | 64<br>65                                     |              |  | <del> </del>                                     | <del> </del> | <del></del> |          |              | <del> </del> | $\vdash$     |
|          | 66   | <del> </del> | -  |  | $\vdash$     | -           |          |              | -            | -            |
|          | 67   | -            | ┢  | ┢  | $\vdash$     |             |          |              | Т            |              |
|          | 67<br>68                                     |              | $\vdash$   |  | М            |             |          |              |              | $\vdash$     |
|          | 69   |              |  |  | Г            |             |          |              |              | $\vdash$     |
|          | 70   |              | _  |  | $\vdash$     |             |          |              | $\vdash$     | ┢            |
|          | 71   |              |  |  | Г            |             |          |              |              |              |
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|          | 74   |              |  |  |              |             |          |              |              |              |
|          | 69<br>70<br>71<br>72<br>73<br>74<br>75<br>76 |              |  |  |              |             |          |              |              |              |
|          | 76   |              |  |  |              |             |          |              |              |              |
| <u></u>  | 77   |              | <u> </u>   | L  |              |             | ļ.,      | L.           |              | _            |
|          | 78<br>79                                     |              |  |  |              |             |          |              |              |              |
| <u></u>  | 79   |              |  |  | <u> </u>     |             |          |              |              |              |
|          | 80   |              | L.   |  |              |             |          |              | _            | _            |
| <u> </u> | 81   | _            | <u> </u>   | ļ  | L            |             |          |              |              | <u> </u>     |
| -        | 82   | _            | _  |  | <u> </u>     | L.,         |          |              |              |              |
| <u> </u> | 83   | <u> </u>     | <u> </u>   | <u> </u>   | _            |             |          |              | _            | L            |
|          | 84   | -            |  |  |              | <u> </u>    |          | -            |              |              |
| -        | 85   | ├—           | ⊢  | ├  | <u> </u>     | H           | <u> </u> | $\vdash$     | _            | $\vdash$     |
|          | 86<br>87                                     | -            | -  | ┝  | <u> </u>     | H           |          | $\vdash$     | _            | H            |
|          | 88   | -            | ⊢  | ├─   |              | _           | _        | ├            | _            | <u> </u>     |
|          | 89   | ├─           | $\vdash$   | ┝  |              | _           | _        | ┝            | _            | H            |
|          | 90   | -            | $\vdash$   | ┢  | -            |             | _        | <del> </del> | —            | ┢            |
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|          | 95   |              | <del>                                     </del> | <del>                                     </del> | $\vdash$     |             | _        | $\vdash$     | _            | _            |
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| CI-   | aim                                    | Γ  |  |              | _            | )ate         | _        |          |              | $\neg$          |
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| Final | Original                               |  |  |              |              |              |          |          |              |                 |
|       | 101                                    |  |  |              |              |              |          |          |              |                 |
|       | 102<br>103<br>104<br>105               |  |  |              |              |              |          |          |              |                 |
|       | 103                                    |  |  |              |              |              |          |          |              |                 |
|       | 104                                    |  |  |              |              |              |          |          |              |                 |
|       | 105                                    |  |  | _            |              |              |          |          |              | Ш               |
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|       | 116                                    | -  |  |              |              | -            |          |          |              |                 |
|       | 117                                    |  |  |              |              |              |          |          |              |                 |
|       | 118<br>119                             | L  |  |              |              |              |          |          |              |                 |
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|       | 123                                    |  | <u> </u>   | <u> </u>     | <u> </u>     | _            |          |          | <u> </u>     | Щ               |
|       | 120<br>121<br>122<br>123<br>124<br>125 |  |  |              | _            | <u> </u>     | _        |          | L            |                 |
|       | 125                                    | <u> </u>   | -  |              | -            |              |          |          | ├—           |                 |
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|       | 129<br>130<br>131<br>132               | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$     | H            | -        |          | $\vdash$     |                 |
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|       | 145                                    | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$     | H            | H        | $\vdash$ | $\vdash$     | H               |
|       | 146                                    | $\vdash$   | $\vdash$   | -            | $\vdash$     | -            | $\vdash$ |          | -            | $\vdash$        |
|       | 147                                    | $\vdash$   |  |              | $\vdash$     |              |          | -        | Г            | $\vdash$        |
|       | 148                                    | <del>                                     </del> | Г  | $\vdash$     | $\vdash$     | ┢            | Г        |          | Т            | Н               |
|       | 149                                    | Г  |  | Γ.           |              |              | Г        | П        |              | М               |
|       | 150                                    |  |  |              |              |              |          |          |              |                 |
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